



2818

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Hugh C. Hiner et al.

Ser. No: 10/071,798

Filing Date: February 6, 2002

Examiner: M. H. C. Tran

Atty. Docket No: RR-1749

GAU: 2818

For: SPIN DEPENDENT TUNNELING BARRIERS FORMED WITH A  
MAGNETIC ALLOY

October 14, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Information Disclosure Statement per 37 C.F.R. §1.98

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants bring the following documents to the Examiner's attention. Included with this letter are thirteen reference documents and a two-page form PTO-1449 listing those documents.

Citation of these documents shall not be construed as an admission that the documents are prior art with respect to the instant invention, a representation that a search has been made, or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

Enclosed please find a check in the amount of \$180.00, as required under section 37 C.F.R. 1.97(c)(2).

Respectfully submitted,

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on October 14, 2003.

Date: 10-14-03

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U.S. Department of Commerce, Patent and Trademark Office	Application No.: 10/071,798
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Inventors: Hugh C. Hiner et al.
	Group Art Unit: 2818
SPIN DEPENDENT TUNNELING BARRIERS FORMED WITH A MAGNETIC ALLOY	Examiner name: M. H. C. Tran
	Attorney Docket No. RR-1749

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
	AA	5,835,314	11/10/98	Moodera et al.	360	113	
	AB	6,205,008	03/20/01	Gijs et al.	360	324	
	AC	6,205,052	03/20/01	Slaughter et al.	365	173	
	AD	6,261,646	07/17/01	Chen et al.	427	531	
	AE	6,275,363	08/14/01	Gill	360	324.2	
	AF	6,281,538	08/28/01	Slaughter	257	295	
	AG	6,295,225	09/25/01	Oepts	365	171	
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Handbook of Ternary Alloy Phase Diagrams article containing diagrams of Al-Fe-Si and Al-Fe-Si, p.3606.
	AP	Handbook of Ternary Alloy Phase Diagrams article containing diagrams of Al-Co-Si and Al-Co-Sm, p.3068.
	AQ	Binary Alloy Phase Diagrams article entitled "Al-Co (Aluminum-Cobalt)", by A. J. McAlister, pp. 136-138.
	AR	Binary Alloy Phase Diagrams article entitled "Al-Eu (Aluminum-Europium)", by Editor, and "Al-Fe (Aluminum-Iron)", by U. R. Kattner, pp. 147-149.

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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	AA					
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	AF					
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	AI					
	AJ					
	AK					

Foreign Patent Documents

							Translation	
	Document	Date	Country	Class	Subclass		Yes	No
	AL							
	AM							
	AN							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	IEEE Transactions on Magnetics article entitled "Effect of Bias Voltage and Interdiffusion in Ir-Mn Exchange-Biased Double Tunnel Junctions", by Y. Saito et al., Vol. 37, No. 4, July 2001, pp. 1979-1982, copyright 2001.
AP	IEEE Transactions on Magnetics article entitled "Spin Dependent Tunnel Junctions for Memory and Read-Head Applications", by P. Freitas et al., Vol. 36, No. 5, September 2000, pp. 2796-2801, copyright 2000.
AQ	
AR	

Examiner	Date Considered
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